



ALL PURPOSE DUCT/IMMERSION TEMPERATURE TRANSMITTER

TXAP Series

The all-purpose single point temperature transmitter utilizes a precision sensor encapsulated in a 6mm (0.235") OD, 304 series stainless steel probe and is available in various lengths. A transmitter that provides a high accuracy signal with excellent long-term stability, low hysteresis and fast response is available with various ranges provided.

PRODUCT HIGHLIGHTS

- Compact form factor enclosure with soft close cover
- IP 65 Enclosure
- Slotted mounting holes angled for ease of field installation
- Custom branding available
- Multiple mounting options
- Thermowell adapters

ENGINEERING SPEC'S

- Shall be IP65 (NEMA 4X) with a UL94-V0 rated enclosure
- External mounting tabs must be slotted & tapered away from enclosure to ease field installation
- Enclosure shall be complete with neoprene gasket for duct to enclosure seal
- Probe – Enclosure connection shall be fully potted to eliminate probe condensation and guarantee IP65 (NEMA4X rating)
- Enclosure shall be complete with threaded (1/2 NPT and/or M16) conduit connection
- Cover must be hinged and securely attached in the open position
- Probe must be 6mm O.D 304 stainless steel, of different lengths to cover between 1/3 to 2/3 of duct width
- Sensing range must be -40 to 100°C (-40 to 212°F)
- Cover must contain security screw as extra protection from opening
- Product shall be CE approved



SPECIFICATIONS	
SENSOR TYPE	1000 Ω platinum RTD
SENSOR ACCURACY	$\pm 0.3^{\circ}\text{C}$ ($\pm 0.54^{\circ}\text{F}$) @ 0°C (32°F)
PROBE SENSING RANGE	-40 to 100°C (-40 to 212°F)
WIRE MATERIAL	PVC insulated, parallel bonded, 22 AWG
PROBE MATERIAL	304 series stainless steel
PROBE DIAMETER	6 mm (0.236")
STANDARD LENGTHS	50, 100, 150, 200, 300, and 400 mm (2", 4", 6", 8", 12", and 18")
CURRENT CONSUMPTION	Current: 20 mA Voltage: 5 mA
OUTPUT SIGNAL	4-20 mA current loop, 0-5 Vdc, or 0-10 Vdc (factory configured)
TRANSMITTER ACCURACY	$\pm 0.1\%$ of span, including linearity
MINIMUM LOOP CURRENT	2 mA nominal (occurs with shorted sensor)
MAXIMUM LOOP CURRENT	22.5 mA nominal (occurs with open sensor)
MAXIMUM LOOP LOAD	$>600 \Omega$
0-5 VDC POWER SUPPLY	10-35 Vdc or 10-32 Vac
0-10 VDC POWER SUPPLY	15-30 Vdc or 15-28 Vac
4-20 mA LOOP POWER SUPPLY	15-35 Vdc or 22-32 Vac
MAXIMUM CURRENT (VOLTAGE)	5 mA nominal
MAXIMUM OUTPUT (VOLTAGE)	Limited to <5.5 Vdc or 0-5 Vdc, <10.5 for 0-10 Vdc
INPUT VOLTAGE EFFECT	Negligible over specified operating range
PROTECTION CIRCUITRY	Reverse voltage protected and output limited
AMBIENT OPERATING RANGE	-40 to 50°C (-40 to 122°F), 5 to 95 %RH non-condensing
ENCLSOURE	A: ABS, UL94-V0, IP65 (NEMA 4X) E: same as A, with thread adapter (1/2" NPT to M16), and cable gland fitting
TERMINATION	Screw terminal block (14 to 22 AWG)
COUNTRY OF ORIGIN	Canada